

SEQUENCE LISTING

<110> Alexander Blinkovsky
 Kimberly Brown
 Michael W. Rey
 Alan Klotz
 Tony Byun

<120> Polypeptides Having Dipeptidyl
 Aminopeptidase Activity And Nucleic Acids Encoding Same

<130> 5254.210-US

<140> To be assigned

<141> 2003-11-25

<150> 09/079,592

<151> 1998-05-15

<150> 08/857,884

<151> 1997-05-16

<150> 60/062,892

<151> 1997-10-20

<160> 13

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<210> 1

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<212> DNA

<213> Aspergillus

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<212> PRT

<213> *Aspergillus oryzae*

<400> 2

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Arg	Leu	Thr	Phe	Asn	Glu	Thr	Val	Val	Lys	Gln	Ala	Ile	Thr	Pro	Thr
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Ser	Arg	Ser	Val	Gln	Trp	Leu	Ser	Gly	Ala	Glu	Asp	Gly	Ser	Tyr	Val
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Tyr	Ala	Ala	Glu	Asp	Gly	Ser	Leu	Thr	Ile	Glu	Asn	Ile	Val	Thr	Asn
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Glu	Ser	Arg	Thr	Leu	Ile	Pro	Ala	Asp	Lys	Ile	Pro	Thr	Gly	Lys	Glu
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Ala	Phe	Val	Arg	Glu	Asn	Asp	Leu	Tyr	Val	Trp	Asp	Asn	Gly	Thr	Val
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Thr	Arg	Ile	Thr	Asp	Asp	Gly	Gly	Pro	Asp	Met	Phe	His	Gly	Val	Pro
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Asp	Trp	Ile	Tyr	Glu	Glu	Glu	Ile	Leu	Gly	Asp	Arg	Tyr	Ala	Leu	Trp
	195						200					205			
Phe	Ser	Pro	Asp	Gly	Glu	Tyr	Leu	Ala	Tyr	Leu	Ser	Phe	Asn	Glu	Thr
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Glu	Val	Lys	Gln	Ala	Pro	Ile	Asp	Ala	Phe	Glu	Ser	Thr	Asp	Leu	Ile
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Ile	Gly	Glu	Val	Ala	Trp	Leu	Thr	Asp	Thr	His	Thr	Thr	Val	Ala	Ala
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Lys	Ala	Phe	Asn	Arg	Val	Gln	Asp	Gln	Gln	Lys	Val	Val	Ala	Val	Asp
305				310						315					320
Thr	Ala	Ser	Asn	Lys	Ala	Thr	Val	Ile	Ser	Asp	Arg	Asp	Gly	Thr	Asp
			325						330					335	
Gly	Trp	Leu	Asp	Asn	Leu	Leu	Ser	Met	Lys	Tyr	Ile	Gly	Pro	Ile	Lys
	340							345					350		
Pro	Ser	Asp	Lys	Asp	Ala	Tyr	Tyr	Ile	Asp	Ile	Ser	Asp	His	Ser	Gly
	355						360					365			
Trp	Ala	His	Leu	Tyr	Leu	Phe	Pro	Val	Ser	Gly	Gly	Glu	Pro	Ile	Pro
	370					375					380				
Leu	Thr	Lys	Gly	Asp	Trp	Glu	Val	Thr	Ser	Ile	Leu	Ser	Ile	Asp	Gln
385				390						395					400
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<212> PRT

<213> *Aspergillus oryzae*

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<212> PRT

<213> *Aspergillus oryzae*

<400> 5

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<213> *Aspergillus oryzae*

<400> 6

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<213> *Aspergillus oryzae*

<220>

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<400> 7

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<210> 8

<211> 16

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<213> *Aspergillus oryzae*

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<213> *Aspergillus oryzae*

<400> 9

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Ala Arg Gly Ala Arg
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<210> 10

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<212> PRT

<213> *Aspergillus oryzae*

<400> 10

Gly Gly Arg Thr Ala Tyr Thr Thr Tyr Thr Thr Arg Thr Cys Ile Gly
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<211> 931

<212> PRT

<213> *Saccharomyces cerevisiae*

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Arg	Arg	Glu	Ser	Phe	Gln	Phe	Asn	Asp	Ile	Glu	Asn	Gln	His	His	Thr
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His	Ser	Phe	Phe	Ser	Val	Asn	Lys	Phe	Asn	Arg	Arg	Trp	Gly	Glu	Trp
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Ser	Leu	Pro	Glu	Lys	Arg	Ser	Tyr	Val	Leu	Val	Phe	Thr	Leu	Ile	Ala
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Leu	Ser	Val	Leu	Val	Leu	Leu	Val	Ile	Leu	Ile	Pro	Ser	Lys	Leu	Leu
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Phe	Leu	Val	Asn	Leu	Gln	Asn	Gly	Ile	Ile	Tyr	Ser	Ile	Asn	Thr	Gly
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Lys	Val	Tyr	Asp	Ile	Pro	Ser	Ser	Gln	Met	Leu	Thr	Val	Arg	Asn	Thr	465	470	475	480
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Phe	Phe	Thr	Ala	Asn	Glu	Ile	Gly	Val	Met	Ser	Gln	His	Leu	Tyr	Ser	565	570		575
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Pro	Lys	Lys	Lys	Tyr	Pro	Ile	Leu	Val	Asn	Ile	Tyr	Gly	Gly	Pro	Gly	690	695		700
Ser	Gln	Thr	Phe	Thr	Thr	Lys	Ser	Ser	Leu	Ala	Phe	Glu	Gln	Ala	Val	705	710		715
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Phe	Glu	Ser	Leu	Lys	Arg	Leu	Phe	Ile	Val	His	Gly	Thr	Phe	Asp	Asp	850	855		860
Asn	Val	His	Ile	Gln	Asn	Thr	Phe	Arg	Leu	Val	Asp	Gln	Leu	Asn	Leu	865	870		875
Leu	Gly	Leu	Thr	Asn	Tyr	Asp	Met	His	Ile	Phe	Pro	Asp	Ser	Asp	His	885	890		895
Ser	Ile	Arg	Tyr	His	Asn	Ala	Gln	Arg	Ile	Val	Phe	Gln	Lys	Leu	Tyr	900	905		910

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